


CLAIMS

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

- 1     ~~Sub~~ A transponder including
- 2             means for associating said transponder with a
- 3     device,
- 4             means for associating said transponder with
- 5     access points of a standard wireless data network
- 6             means for receiving an interrogation signal,
- 7     and
- 8             means for transmitting a signal that can be
- 9     interpreted by an access point of said standard
- 10    wireless data network as identification
- 11    information.
- 12    2.    A transponder as recited in claim 1, further
- 13    including a memory and wherein said means for
- 14    transmitting a signal includes means for
- 15    transmitting signals representing data stored in
- 16    said memory.
- 17    3.    A transponder as recited in claim 2, further
- 18    including
- 19            means for sensing a condition of said device.
- 20    4.    A transponder as recited in claim 3, further
- 21    including
- 22            means responsive to a detected change of
- 23    condition for controlling said means for
- 24    transmitting a signal.

25 5. A transponder as recited in claim 2, further  
26 including means for controlling said device in  
27 response to said interrogation signal or a signal  
28 associated with said interrogation signal.

29  An asset tracking system including  
30 a computer network supporting a plurality of  
31 wireless links from respective wireless access  
32 points,  
33 a transponder detectable by said network,  
34 said transponder including means for transmitting  
35 identification information, and  
36 means for accessing and reporting internal  
37 network access point information in association  
38 with said identification information.

1 7. A system as recited in claim 6, further  
2 including  
3 means for associating internal network access  
4 point information with geographical locations.

1 8. A system as recited in claim 7, further  
2 including  
3 means for reporting identification  
4 information associated with geographical locations  
5 to a user of said computer network.

1 9. A system as recited in claim 6, further  
2 including  
3 means for determining proximity of said  
4 transponder to an access point

1 10. A system as recited in claim 9, wherein said  
2 means for determining proximity includes  
3 triangulation means.

1 11. A system as recited in claim 9, wherein said  
2 means for determining proximity includes quadratic  
3 optimization means.

1 12. A system as recited in claim 9, wherein said  
2 means for determining proximity includes a neural  
3 network.

1 13. A system as recited in claim 9, further  
2 including  
3 means for associating internal network access  
4 point information with geographical locations.

1 14. A system as recited in claim 13, further  
2 including  
3 means for reporting identification  
4 information associated with geographical locations  
5 to a user of said computer network.

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